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A. Van Buren
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CIRCULAR

OF THE

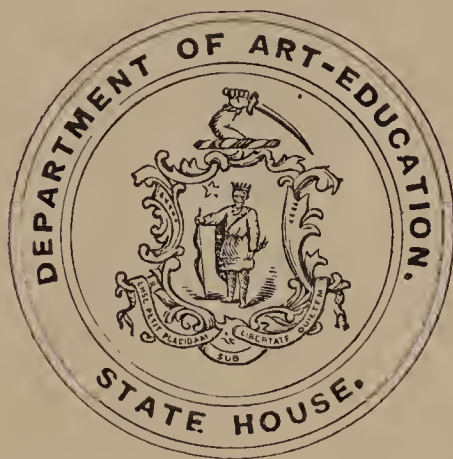
MASSACHUSETTS

Normal Art-School,

28 SCHOOL STREET, BOSTON,

UNDER THE DIRECTION OF THE STATE BOARD OF EDUCATION.

FOURTH YEAR, 1876-7.



BOSTON:

ALBERT J. WRIGHT, STATE PRINTER,
79 MILK STREET (CORNER OF FEDERAL).

1876.

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DIRECTOR OF THE SCHOOL.

Mr. WALTER SMITH, . . . *State Director of Art-Education, Mass.*

PROFESSORS.

WALTER SMITH, . . . *Art-Education, Theory and Practice.*

WILLIAM R. WARE, . . . *Architectural Design and Building Construction.*

INSTRUCTORS.

Mr. WILLIAM BRIGGS, . . . *Instructor.* (Class A.)

Miss GRACE CARTER, . . . " "

Miss R. L. HOYT, . . . " "

Mr. WM. A. MASON, Jr., . . . *Assistant Instructor.* "

Mr. C. M. CARTER, . . . " " "

Mr. G. H. BARTLETT, . . . *Lecturer.* "

Miss MARY CARTER, . . . *Instructor.* (Class B.)

Miss GRACE CARTER, . . . " "

Miss MAUD R. FISHER, . . . *Assistant Instructor.* "

Mr. OTTO FUCHS, . . . *Instructor.* (Class C.)

Prof. W. R. WARE, . . . *Lecturer.* "

[Not yet appointed], . . . *Instructor.* (Class D.)

Mr. W. T. MEEK, *Curator.*

Massachusetts Normal Art-School.

IN view of the great importance of drawing as a branch of education, the Legislature, by an Act passed May 16, 1870, made instruction in this branch obligatory in the public schools; and required cities and towns containing more than ten thousand inhabitants to make provision for free instruction in industrial drawing to persons over fifteen years of age. This Act met with much public favor; but it was soon found that it was impossible to realize satisfactorily the benefits intended by the Act, for want of competent teachers. An Act was therefore passed by the Legislature, providing for the establishment and management, by the Board of Education, of a State Normal Art-School. In pursuance of this provision, this circular has been prepared for the information of those interested.

DESIGN OF THE SCHOOL.

This School is intended as a Training School for the purpose of qualifying teachers and masters of industrial drawing. Its specific aim at present is to prepare teachers for the industrial drawing schools of the State, who shall also be able to direct and superintend the instruction in this branch in the public schools. In the future it may be necessary to provide for high skill in technical drawing and art-culture, but the immediate pressing demand is for teachers who know the elementary subjects thoroughly, and can teach them intelligently and successfully; and this demand the School will aim primarily to supply, making its training as complete and practical as the circumstances will permit.

LOCATION.

School Street Block, No. 28 School Street, opposite the City Hall, Boston.

LIST OF CERTIFICATE DRAWINGS.

TO BE DONE DURING THE COURSE OF STUDY, AND HANDED IN FOR PERMISSION TO BE EXAMINED.

INSTRUMENTAL DRAWING.

1. A sheet of Geometrical Problems.
2. " of Perspective Problems.
3. " of Orthographic Projection.
4. " of Machine Drawing.
5. " of Details of Building Construction.
6. " of Isometric Projection.
7. " of Projection of Shadows.

FREEHAND DRAWING.

8. A sheet of Model Drawing, in pencil outline.
9. " " shaded in chalk.
10. " " shaded in sepia, Indian-ink, or neutral tint.
11. " " rubbed or stumped.
12. An Outline Drawing of ornament, from the cast, in pencil.
13. " " of foliage, from nature.
14. " " of the human figure, from the flat.
15. " " of animal form, from the cast.
16. " " of a piece of furniture, chair, table, etc.
17. A Shaded Drawing, in chalk, with point or stump, of ornament, from the cast.
18. A Shaded Drawing, in sepia or Indian-ink, from the cast.
19. An original design to fill a geometric form, from a plant.
20. A design for a wall paper, carpet, or any common object.
21. A specimen lesson in blackboard drawing and dictation drawing.
22. A Painting in water color, of a flower, from copy.
23. Analysis of styles of historical ornament.
24. Botanical analysis of a plant, for the purpose of design.



EXAMINATION FOR CERTIFICATE.

The above drawings having been submitted and approved, time examinations for the completion of the Certificate will be held at the end of the annual session, on the following subjects:—

- | | |
|-------------------------------|-------------------------------|
| 1. Plane Geometrical Drawing. | 7. Building Construction. |
| 2. Perspective Practice. | 8. Model Drawing, from solid. |
| 3. Perspective Theory. | 9. Drawing from Memory. |
| 4. Orthographic Projection. | 10. Drawing from Dictation. |
| 5. Isometric Projection. | 11. Historical Ornament. |
| 6. Projection of Shadows. | 12. Harmony of Color. |

FOR CLASS B. CERTIFICATE B.

FORM, COLOR, AND INDUSTRIAL DESIGN.

Instructors, Miss MARY CARTER, Miss GRACE CARTER.

Assistant, Miss MAUD R. FISHER.

Days.	Hours.	Subject of Instruction.
Monday,	9 to 12.	Painting. Diploma Works. Oil Studies.
	12 to 1.	Lecture. Botanical Analysis, . Miss M. CARTER.
	2 to 4.	Drawing from Cast of Figure and Nature.
	4 to 5.	Lecture. Color and Harmony, . Miss M. CARTER.
Tuesday,	9 to 5.	Practice in Studio. Water Color Subjects.
Wednesday,	9 to 12.	Diploma Works. Oil Studies.
	12 to 1.	Lecture. Historic Ornament, . Miss M. CARTER.
	2 to 4.	Drawing from Cast and Figures.
	4 to 5.	Lecture. Historic Schools of Painting, Miss M. CARTER.
Thursday,	9 to 5.	Practice in Studio. Water Color Subjects.
Friday,	9 to 12.	Painting. Diploma Works. Oil Studies.
	12 to 1.	Lecture. Applied Design, . Miss M. CARTER.
	2 to 4.	Drawing from Figure and Nature.
	4 to 5.	Lecture. Anatomy, . Miss M. CARTER.

P A I N T I N G .

LIST OF CERTIFICATE WORKS.

TO BE DONE DURING THE COURSE OF STUDY, AND HANDED IN FOR PERMISSION TO BE EXAMINED.

PAINTING IN WATER COLORS.

- *1. Flower and foliage, from nature, without background.
- *2. Fruit, and still life, from nature, with background.
- †3. Landscape Painting, from an approved example.
- 7 *4. Landscape Painting, to include a building, from nature.
- 5. Study of draped human figure, from nature.
- *6. Bones, muscles, and monochrome study of antique figure, from cast. [Three drawings.]

PAINTING IN TEMPERA.

- 7. Study of ornament, or arabesque, in color.
- 8. Design for wall or ceiling decoration.
- 9. Antique figure, in monochrome, from bass-relief.

PAINTING IN OIL.

- *10. Study in monochrome, from cast, of human figure.
- *11. Study of a head, from nature, life size.
- 12. Landscape, from an approved example.
- †13. Study of a head, from an approved example.
- *14. Group, as a study of composition and color, of objects or still life.
- 15. Study of drapery, from an arranged subject.

* For the present, only those works marked with the asterisk will be required.

† In oil painting, exercises 11 or 13 may be chosen. In water color, exercises 3 or 4 may be taken.

INDUSTRIAL DESIGN.

1. Design for a sculptured ornament. in stone or marble.
2. " for a work in cast-iron.—as a grate, railing, etc.
3. " for a piece of furniture in wood, enriched by carving.
4. " for an encaustic tile.
- ✓ 5. " for a gas-bracket, or gaselier, in brass or bronze.
- ✓ 6. " for a porcelain breakfast or dinner service,—plate, cup and saucer, ewer, and cream-pitcher.
7. " for a cotton print, for a dress.
8. " for an oil-cloth, carpet, or drugget.
9. " for a damask table-cloth, or window-curtain.
10. " for a lace curtain.
11. " for an ice-pitcher, in silver, engraved.
- ✓ 12. " for a glass goblet.
13. " for a fan, worked in color, on white satin.
14. " for a book cover, stamped in leather.
15. " for a Certificate B or C for the Normal Art-School.
16. " for a paper-hanging.
- ✓ 17. " for a frescoed ceiling, and wall panels.

The student is to produce four designs, selected from the above list, in addition to which one manufactured article made from the student's design, and used for industrial purposes, will be required from each student. Any branch of industry may be selected for this application of design, and the work will be accepted or rejected on consideration of the merits of the design only, not for its technical merits or defects of manufacture. Accepted works will be retained, to form a record of the direct influence of the School on Industrial Art.

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EXAMINATION FOR CERTIFICATE.

PRACTICE.

- P 1. Time sketch in oil, of a group, objects, and still life. Four hours.
- P 2. " in water colors, of a head from living model. Two hours.
- P 3. " in light and shade, of a cast of ornament. Two hours.

THEORY.

4. Paper on the harmony of color, illustrated by sketches. One hour.
5. " on the origin and chemistry of colors. One hour.
6. " on the technical terms used in painting. One hour.
7. " on the application of ornament to industrial purposes. Two hours.
8. " on the principles and styles of the historic schools of painting. Two hours.
9. Drawing of the bones and muscles of an antique figure, in pencil, to fill an outline given to the student. Four hours.
10. Paper on the history of ornament, all periods and styles. Two hours.
11. Paper on structural botany, and illustrations of technical terms. Two hours.
12. Principles of design, applied to clay, woodwork (constructional and sculptured), metal-work (cast and wrought), stone, surface decoration (walls, ceilings, floors), fabrics (printed, woven, dyed). Two hours.
13. Description of lithography, wood engraving, etching, steel engraving, porcelain painting, lace-making by hand and machine, reproduction of the round in plaster, metals, and terra-cotta, chasing and embossing, fresco painting, mosaic work in glass and stone, inlays, glass staining and painting, encaustic tile, stencilling, Palissy ware, Majolica, Della Robbia ware, Wedgwood ware. Four hours.

FOR CLASS C. CERTIFICATE C.

THE CONSTRUCTIVE ARTS.

<i>Architectural Design, and Advanced Building Construction,</i>	Prof. WARE.
<i>Machine Drawing, Construction and Design,</i>	Mr. OTTO FUCHS.
<i>Descriptive Geometry, Topographical Drawing, and Ship</i>	
<i>Draughting,</i>	" "

Days.	Hours.	Subjects of Instruction.	Instructor and Professors.
Monday,	.	Home work.	
Tuesday,	9 to 11.	Lecture. Descriptive Geometry,	Mr. OTTO FUCHS.
	11 to 1.	Class Work—Topographical Drawing,	" "
	2 to 5.	Class Work—Topographical Drawing,	" "
Wednesday,	.	Home work.	
Thursday,	9 to 1.	Class Work—Architectural Design,	" "
	2 to 5.	Lecture on Architectural Design,	Prof. WARE.
Friday,	9 to 1.	Class Work—Machine Drawing,	Mr. OTTO FUCHS.
	2 to 5.	Lecture. Machine Drawing,	" "

LIST OF CERTIFICATE WORKS.

TO BE EXECUTED DURING THE COURSE OF STUDY, AND HANDED IN FOR PERMISSION TO BE EXAMINED.

[All Drawings to be on Imperial Paper, 29½ to 21½ inches.]

ARCHITECTURAL DESIGN AND BUILDING CONSTRUCTION.

1. Design for a House or Public Building, showing plans, elevations, sections, and perspective; on one sheet.
2. Structural Details, on an enlarged scale, of floors, windows, roof, and staircase, of the first subject.
3. Monograph of the three Ancient or three Medieval or three Modern styles of Architecture and Ornament.
- × 4. Drawing of a Building, to scale, from actual measurement of the structure; plans and two geometric elevations.

MACHINE DRAWING. CONSTRUCTION AND DESIGN.

5. Sheet of Screws, plans and elevations.
6. Sheet of Wheels, spur, bevel, cams, eccentrics, gearing.
- × 7. Plan, elevation and section of a Locomotive or Stationery Engine; from copy.
8. Drawing from the actual object, as a Drill, Pump, or any other Machine. Two views.

DESCRIPTIVE GEOMETRY AND TOPOGRAPHICAL DRAWING.

- ✓ 9. Sheet of Illustrations, in outline, from Lectures on Descriptive Geometry. Development of Surfaces.
- 10. Sheet of Intersections of Solids, and Projection of Shadows; tinted.
- 11. Ship draughting.
- × 12. Topographical Drawing of an Estate from actual survey; or from data given, colored, and buildings sketched in outline.

EXAMINATION FOR CERTIFICATE.

ARCHITECTURAL DESIGN.

- 1. Paper on the styles of Architecture and Ornament illustrated in the Monograph. Two hours.
- 2. Paper on Building Construction in the several Materials used. Two hours.
- 3. Design for a Building in the style employed for the Certificate work, complying with given conditions. Sketches required. Six hours.

MACHINE DRAWING.

- 4. Paper on Details of Machinery. Two hours.
- ✶ 5. Drawing from an actual Machine, to scale, placed in the Examination room. Four hours.

TOPOGRAPHY, DESCRIPTIVE GEOMETRY, AND SHIP DRAUGHTING.

- 6. Paper on Solid Geometry. Two hours.
- ✶ 7. Survey of an Estate. Two days.
- 8. Drawing from memory of the Ship Draughting Certificate work. Two hours.

FOR CLASS D. CERTIFICATE D.

SCULPTURE AND DESIGN IN THE ROUND—MODELLING AND CASTING.

<i>Instructor</i> ,			[Not yet appointed.]
Days.	Hours.	Subjects of Instruction.	
Monday,	} 2 to 5, and 7 to 9, P. M.	} Ornament and the Human Figure.	
Tuesday,			
Wednesday,			
Thursday,			
Friday,			

LIST OF CERTIFICATE WORKS.

TO BE EXECUTED DURING THE COURSE OF STUDY, FOR PERMISSION TO BE EXAMINED.

[All works to be of imperial or half-imperial size.]

ORNAMENT.

- 1. Historical Ornament in one style from the cast.
- 2. Study of Ornament from flat copy.
- × 3. A Design for a capital, spandrel, panel, rosette or enriched moulding, executed the full size, for stone, wood, iron or terracotta.
- 4. Model of flowers or foliage from nature, in relief.

FIGURE.

- 5. Medallion portrait head, from nature, life size.
- 6. Bass-relief from Antique figure in the round.
- 7. Model in relief from a print or drawing of a human figure or head.
- 8. Anatomical rendering of an Antique figure.

DESIGNS TO BE DRAWN.

- 9. Désign for a piece of furniture in which wood carving is employed.
- 10. Design for a chandelier or gaselier, or any useful object in metal.
- 11. Design for an ice-pitcher, flagon or goblet, loving-cup or tankard or vase, enriched by medallions and chasing.
- 12. Design for any object in porcelain, pottery or inlay, or for a certificate or diploma, introducing the human figure.

EXAMINATIONS FOR CERTIFICATE.

THEORY.

- P 1. Paper on sculptured ornament of the Historic Schools. Two hours.
- P 2. Paper on design applied to objects in the round. Two hours.
- P 3. Paper on Anatomy of the human skeleton and muscles. Two hours.
- P 4. Paper on Sculpture of the human figure. Two hours.

PRACTICE.

- P 5. To sketch in clay a relief copy of a piece of Ornament, from the cast or shaded copy. Two hours.
- P 6. To model a relief from the bust or entire figure, from the antique, or life, or shaded copy. Four hours.

NOTICE CONCERNING CERTIFICATE WORKS.

Two of the eight certificate models are to be cast in plaster, and painted, before being sent in as complete.

They will, however, be examined and accepted or rejected before being painted.

The remaining six models need not be cast.

CONDITIONS OF ADMISSION.

An examination in Freehand Drawing of Ornament from copy, and Object Drawing from the solid, will be held at the beginning of each term, of all candidates for admission to Class A ; and students will be advanced to either of the other classes upon passing the examination prescribed therefor. To students residing within the State, tuition is free ; but ten dollars per term will be charged for incidentals. To students from without the State, fifty dollars per term. All fees are payable, in advance, to the Curator at the commencement of each term.

COURSE OF INSTRUCTION.

The term Industrial Drawing includes both Instrumental and Freehand Drawing. The former will be taught by lectures given by the Lecturers on the various subjects ; and the latter, by individual instruction by the Instructors, who will also superintend the artistic work in the studio, comprising Freehand Drawing, Painting and Designing. The work of Class A is devoted to Elementary Drawing ; of Class B, to Form, Color, and Industrial Design ; of Class C, to the Constructive Arts ; and of Class D, to Sculpture and Design in the round. These groups of subjects can be studied in any order after Class A has been passed through, subject only to an examination as to the fitness of the student.

SCHOOL YEAR.

The school year begins the first week in October, and closes at the end of May. The year is divided into two terms : the first term comprises the months of October, November, December, and January ; the second term, the months of February, March, April, and May.

SESSIONS AND ATTENDANCE.

In order to meet as far as possible the requirements of students in respect to hours of attendance, instruction is given from 9 A.M. to 1 P.M., from 2 to 5 P.M., and from 7 to 9 P.M., on Monday, Tuesday, Wednesday, Thursday, and Friday.

The students of all the classes, which do not meet five days in the week, are expected to work at home, under directions received from the Instructors.

In Class A there are two divisions : one meeting in the mornings and afternoons of five days in the week, a second attending five evenings.

In Class B, the days for instruction are Mondays, Wednesdays, and Fridays ; but the classroom will be open on Tuesdays and Thursdays for practice in water color and design.

In Class C, the students will attend during class hours, and devote the remainder of their time to home study.

In Class D, the instruction is given during the afternoons and evenings of Monday, Tuesday, Wednesday, Thursday, and Friday.

EXAMINATION AND CERTIFICATES.

For permission to be examined for a Certificate, the student will be required to submit class exercises, the subjects being described in the list of certificate drawings. These drawings, paintings, and models are to show whether the student possesses the manipulative skill necessary to teach industrial art. If the works pass examination, the student will then be allowed to offer himself for the certificate examination, which will be held at the end of each school year. This examination having been passed, the student will receive a Certificate, testifying to his scientific and artistic qualifications to give instruction in the group of studies passed. A student failing to pass an examination in any subject, may present himself again at a future examination, those subjects already passed being recorded in his favor ; but he will not receive the Certificate of the School until all the subjects of examination have been passed.

The Diploma of the School will be granted to those students only who complete the subjects of study, and pass the examinations in Classes A, B, C, and D.

REGULATION CONCERNING STUDENTS

WHO HAVE RECEIVED APPOINTMENTS FROM THE SCHOOL, AND WHO DESIRE TO CONTINUE THEIR STUDIES, AND OBTAIN THE ADVANCED DIPLOMAS.

Students who have taken Certificate A, and whose appointments as teachers of drawing prevent their attendance at the School, upon presenting the required works for Certificate B, and giving satisfactory evidence that the works are their own production, will be treated as though in attendance in the School. Their works for Certificate B will be examined, and, if accepted, the students presenting them

may offer themselves for the time examination to complete their Certificates. The same rule applies to those who desire to obtain Certificates C and D.

CERTIFICATE WORKS.

One work from the certificate set of each student will be retained as the property of the School, and the best set in each year will be also retained and kept in the School. The student who produces the best set of certificate works will have a Certificate testifying to the fact of his works having been selected as the best in the year.

Students who leave the School before completing the set of certificate works required in any class, will not be allowed to take such works from the School, unless they are employed to teach drawing, and file a statement of that fact with the Curator.

Diary of Studies

FOR MORNING AND EVENING DIVISIONS.

FOR CLASS A. CERTIFICATE A.

ELEMENTARY DRAWING.

Instructors, . . . Miss GRACE CARTER, Miss R. L. HOYT.
Assistants, . . . Mr. WM. A. MASON, Jr., Mr. C. M. CARTER.
Lecturers, . . . Mr. WILLIAM BRIGGS, Mr. G. H. BARTLETT.

MORNING DIVISION.

Days.	Hours.	Subject of Instruction.		Instructors and Lecturers.
Monday,	9 to 12.	Drawing.	Freehand Certificate Works,	{ Misses CARTER and HOYT. Messrs. MASON and CARTER.
	2 to 4.	Drawing.	Freehand Certificate Works,	" " "
	12 to 1.	Lecture.	Color,	Miss CARTER.
	4 to 5.	Lecture.	Model Drawing,	Mr. CARTER.
Tuesday,	9 to 11.	{ Lecture.	Isometric Projection and Pro- jection of Shadows,	{ Messrs BRIGGS and CARTER.
	11 to 1.	Lecture.	Perspective,	" " "
	2 to 3.	Teaching Exercises,		" " "
	3 to 5.	Lecture.	Geometry,	" " "
Wednesday,	9 to 12.	Drawing.	Freehand Certificate Works,	{ Misses CARTER and HOYT. Messrs. MASON and CARTER.
	2 to 4.	Drawing.	Freehand Certificate Works,	" " "
	12 to 1.	{ Lecture.	Light and Shade, and Proc- esses of Drawing,	{ Mr. BARTLETT.
	4 to 5.	Lecture.	Historic Ornament,	Miss CARTER.
Thursday,	9 to 11.	Drawing.	Mechanical Certificate Works,	Messrs. BRIGGS and CARTER.
	11 to 1.	Lecture.	Orthographic Projection,	" " "
	2 to 3.	Teaching Exercises,		" " "
	3 to 5.	Lecture.	Elementary Mechanics,	" " "
Friday,	9 to 12.	{ Drawing.	Certificate Works,	{ Mr. BRIGGS. Misses CARTER and HOYT. Messrs. MASON and CARTER.
	2 to 4.			
	12 to 1.	Lecture.	Botanical Analysis,	Miss HOYT.
	4 to 5.	Lecture.	Design,	Miss CARTER.

EVENING DIVISION.

Monday,	7 to 9.	Drawing.	Freehand Certificate Works,	Miss HOYT.
Tuesday,	7 to 9.	Lecture.	Geometry and Perspective,	Mr. BRIGGS.
		Drawing.	Certificate Works,	Mr. C. M. CARTER.
Wednesday,	7 to 9.	Drawing.	Freehand Certificate Works,	Miss HOYT.
Thursday,	7 to 9.	{ Lecture.	Model Drawing and Ortho- graphic Projection,	{ Mr. BRIGGS.
		Drawing.	Certificate Works,	Mr. MASON.
Friday,	7 to 9.	{ Lecture.	Isometric Projection and Pro- jection of Shadows,	{ Mr. BRIGGS.
		Drawing.	Certificate Works,	Miss HOYT.

After January first, Mr. FUCHS will lecture on Tuesday afternoons on Machine Drawing, and on Thursday afternoons on Building Construction. Mr. BRIGGS will lecture on the same subjects in the evenings.